AN   2005:161048 CAPLUS Full-text
DN   142:235497
TI   Peptide deformylase inhibition and antimicrobial activity of
      heteroarylenes
IN   Aubart, Kelly M.; Benowitz, Andrew B.; Christensen, Siegfried Benjamin,
      IV; Lee, Jinhwa; Silva, Domingos J.
PA   Smithkline Beecham Corporation, USA
SO   PCT Int. Appl., 42 pp.
      CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005017124	A2	20050224	WO 2004-US26574	20040812
WO 2005017124	A3	20051215		

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             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
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| EP 1654239 | A2 | 20060510 | EP 2004-781288 | 20040812 |

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JP 2007502825	T	20070215	JP 2006-523966	20040812
PRAI US 2003-495521P	P	20030815		
WO 2004-US26574	W	20040812		

OS   MARPAT 142:235497
GI

                                                        I
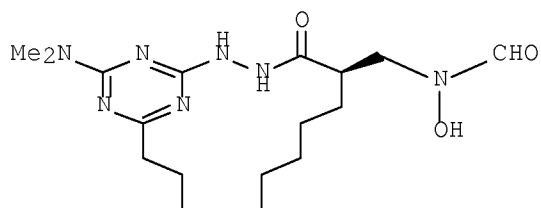
AB   Novel peptide deformylase inhibitors and novel methods for their use as
      antibacterial compds. are provided. Thus, a detailed synthetic scheme for N-
      {[(5R)-16-(dimethylamino)-4-oxo-2,3,16,17,18- pentaazabicyclo[12.3.1]octadeca-
      1(18),14,16-trien-5-yl]methyl}-N- hydroxyformamide (I) is demonstrated.
      Inhibition of Staphylococcus aureus or Escherichia coli peptide deformylase
      activity is demonstrated using a continuous formate dehydrogenase-coupled
      spectrophotometric assay developed by Lazennec & Meinnel (1997), and whole-
      cell antimicrobial activity is determined by broth microdilution using the
      National Committee for Clin. Laboratory Stds. recommended procedure with a
      panel of 12 strains.
IT   845533-89-3P 845533-90-6P 845533-91-7P
      845533-92-8P 845533-93-9P 845533-94-0P
      845533-95-1P 845533-96-2P 845533-97-3P
      845533-98-4P 845533-99-5P 845534-00-1P
   845534-01-2P 845534-02-3P 845534-03-4P

RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);
    SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
    study); PREP (Preparation); USES (Uses)
        (peptide deformylase inhibition and antimicrobial activity of
        heteroarylenes)
RN   845533-89-3 CAPLUS
CN   Formamide, N-[[(5R)-16-(dimethylamino)-4-oxo-2,3,15,17,18-
     pentaazabicyclo[12.3.1]octadeca-1,14,16-trien-5-yl]methyl]-N-hydroxy-
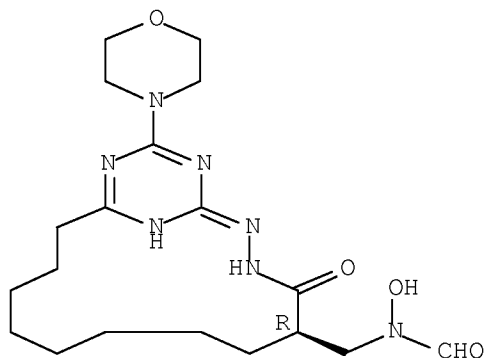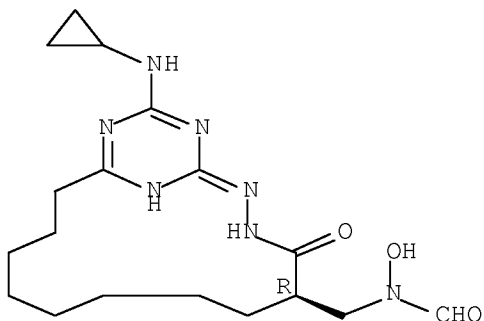   (9CI) (CA INDEX NAME)

Absolute stereochemistry.
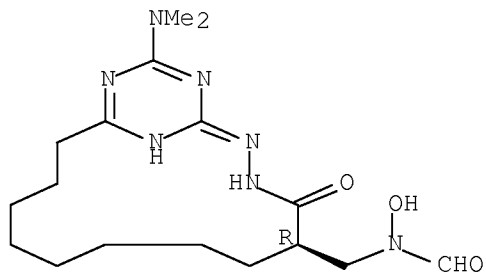
RN   845533-90-6 CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-16-(4-morpholinyl)-4-oxo-2,3,15,17,18-
     pentaazabicyclo[12.3.1]octadeca-1,14,16-trien-5-yl]methyl]- (9CI) (CA
     INDEX NAME)

Absolute stereochemistry.

RN   845533-91-7 CAPLUS
CN   Formamide, N-[[(5R)-16-(cyclopropylamino)-4-oxo-2,3,15,17,18-
     pentaazabicyclo[12.3.1]octadeca-1,14,16-trien-5-yl]methyl]-N-hydroxy-
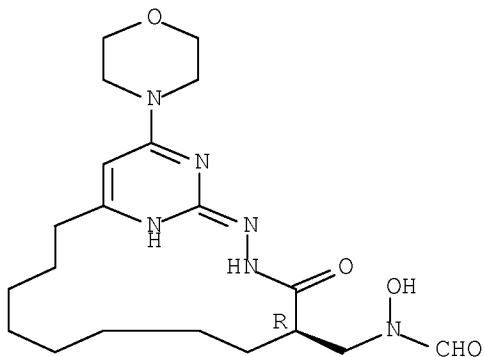   (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN   845533-92-8 CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-16-(4-morpholinyl)-4-oxo-2,3,17,18-
      tetraazabicyclo[12.3.1]octadeca-1,14,16-trien-5-yl]methyl]- (9CI)   (CA
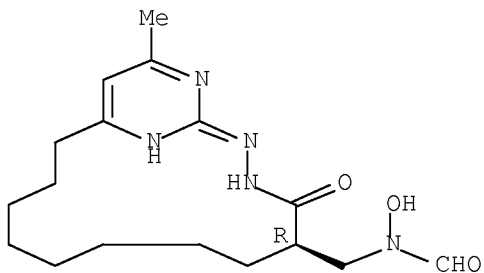   INDEX NAME)

Absolute stereochemistry.

RN   845533-93-9 CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-16-methyl-4-oxo-2,3,17,18-
      tetraazabicyclo[12.3.1]octadeca-1,14,16-trien-5-yl]methyl]- (9CI)   (CA
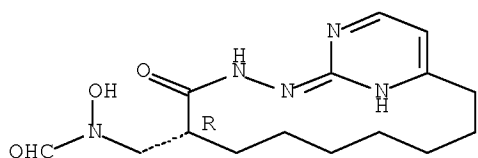   INDEX NAME)

Absolute stereochemistry.

RN   845533-94-0 CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-4-oxo-2,3,16,17-
      tetraazabicyclo[11.3.1]heptadeca-1,13,15-trien-5-yl]methyl]- (9CI)   (CA
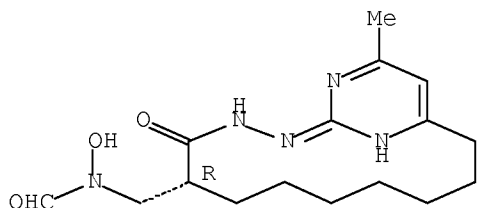   INDEX NAME)

Absolute stereochemistry.

RN   845533-95-1   CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-15-methyl-4-oxo-2,3,16,17-
      tetraazabicyclo[11.3.1]heptadeca-1,13,15-trien-5-yl]methyl]- (9CI)   (CA
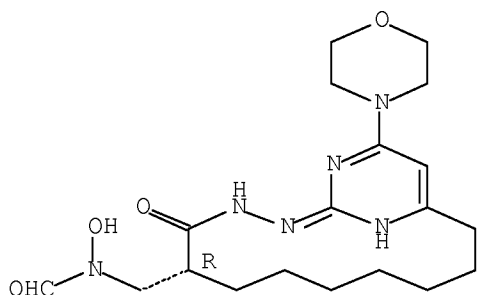   INDEX NAME)

Absolute stereochemistry.

RN   845533-96-2   CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-15-(4-morpholinyl)-4-oxo-2,3,16,17-
      tetraazabicyclo[11.3.1]heptadeca-1,13,15-trien-5-yl]methyl]- (9CI)   (CA
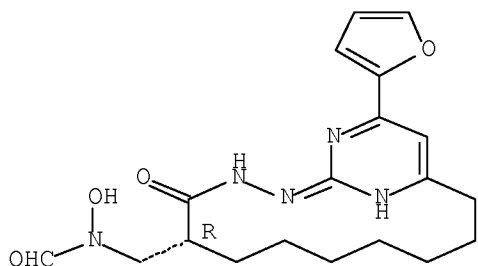   INDEX NAME)

Absolute stereochemistry.

RN   845533-97-3   CAPLUS
CN   Formamide, N-[[(5R)-15-(2-furanyl)-4-oxo-2,3,16,17-
      tetraazabicyclo[11.3.1]heptadeca-1,13,15-trien-5-yl]methyl]-N-hydroxy-
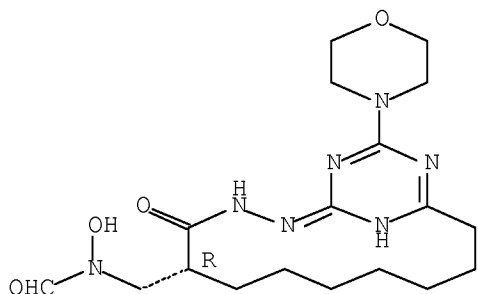   (9CI)   (CA INDEX NAME)

Absolute stereochemistry.

RN   845533-98-4   CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-15-(4-morpholinyl)-4-oxo-2,3,14,16,17-
      pentaazabicyclo[11.3.1]heptadeca-1,13,15-trien-5-yl]methyl]- (9CI)   (CA
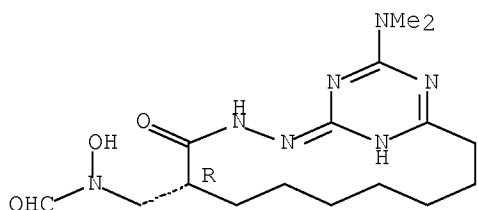   INDEX NAME)

Absolute stereochemistry.

RN   845533-99-5 CAPLUS
CN   Formamide, N-[[(5R)-15-(dimethylamino)-4-oxo-2,3,14,16,17-
      pentaazabicyclo[11.3.1]heptadeca-1,13,15-trien-5-yl]methyl]-N-hydroxy-
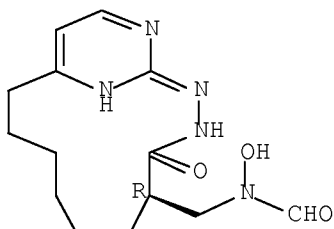   (9CI)   (CA INDEX NAME)

Absolute stereochemistry.

RN   845534-00-1 CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-4-oxo-2,3,15,16-
      tetraazabicyclo[10.3.1]hexadeca-1,12,14-trien-5-yl]methyl]- (9CI)   (CA
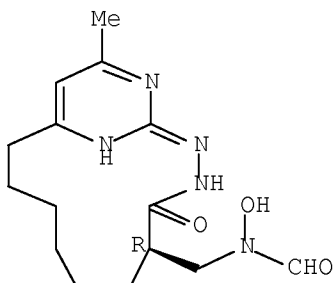   INDEX NAME)

Absolute stereochemistry.

RN   845534-01-2 CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-14-methyl-4-oxo-2,3,15,16-
      tetraazabicyclo[10.3.1]hexadeca-1,12,14-trien-5-yl]methyl]- (9CI)   (CA
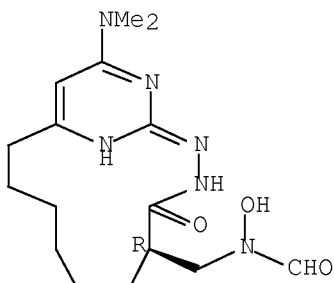   INDEX NAME)

Absolute stereochemistry.

RN   845534-02-3 CAPLUS

CN   Formamide, N-[[(5R)-14-(dimethylamino)-4-oxo-2,3,15,16-
    tetraazabicyclo[10.3.1]hexadeca-1,12,14-trien-5-yl]methyl]-N-hydroxy-
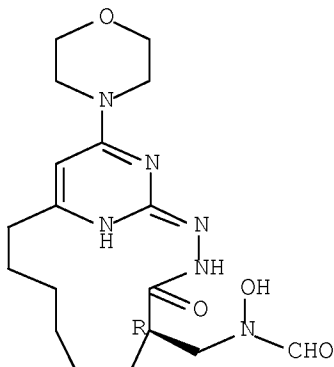   (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN   845534-03-4 CAPLUS
CN   Formamide, N-hydroxy-N-[[(5R)-14-(4-morpholinyl)-4-oxo-2,3,15,16-
    tetraazabicyclo[10.3.1]hexadeca-1,12,14-trien-5-yl]methyl]- (9CI) (CA
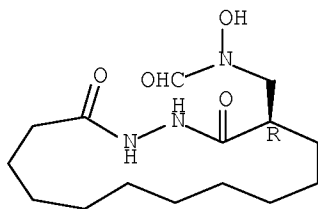   INDEX NAME)

Absolute stereochemistry.

RN   845534-04-5 CAPLUS
CN   Formamide, N-[[(4R)-3,15-dioxo-1,2-diazacyclopentadec-4-yl]methyl]-N-
    hydroxy- (CA INDEX NAME)

Absolute stereochemistry.

TI   N,N-Di-[4-hydroxy-3,6-dioxohexahydropyridazinyl-(4)-acetyl]-amides
IN   Knoevenagel, Kurt; Himmelreich, Rolf
PA   C. F. Spiess und Sohn, Fed. Rep. Ger.
SO   Ger. Offen., 47 pp.
     CODEN: GWXXBX
DT   Patent
LA   German
FAN.CNT 1
     PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
     --------------   ----   -------- --------------------   --------
PI   DE 2356368   A1   19750515 DE 1973-2356368   19731112
PRAI DE 1973-2356368   A   19731112
AB   R2NR1 [I; R = (4-hydroxy-3,6-dioxohexahydro-4-pyridazinyl)acetyl; R1 = H,
     pentyl, Bu, PrMeCH, hexyl, cyclohexyl, heptyl, dodecyl, Ph, o-HO2CC6H4, PhCH2,
     2-oxocyclohexylidenemethyl, OH, CN, Ac, CO2Et, CH2COCO2Et] were obtained by
     treatment of ROH with R1NH2. Using amino acids in place of amines gave 7 I
     where R1 was a radical derived from an amino acid. Also obtained were
     R2N(CH2)nNR2(n = 2,6), R2NXNR2[x = bond, CO, CS, CONHCO, C:NR, C(:NH)NHC(:NH)]
     and 11 addnl. amides. The compds. were useful as plant growth regulators.
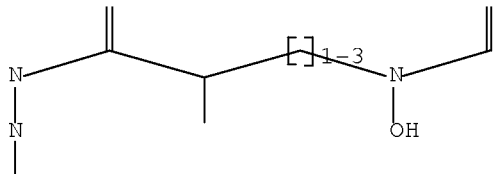IT   56546-61-3P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   56546-61-3 CAPLUS
CN   4-Pyridazineacetamide, N-[(hexahydro-4-hydroxy-3,6-dioxo-4-
     pyridazinyl)acetyl]hexahydro-N,4-dihydroxy-3,6-dioxo- (9CI) (CA INDEX
     NAME)
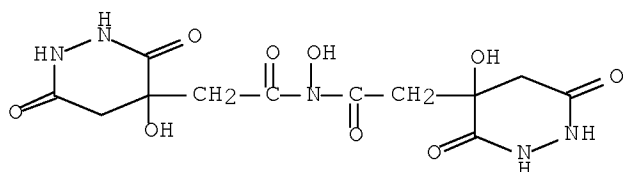
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L2 HAS NO ANSWERS
L1              STR
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Structure attributes must be viewed using STN Express query preparation.
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       FILE 'REGISTRY' ENTERED AT 19:53:44 ON 22 APR 2008

       FILE 'CAPLUS' ENTERED AT 19:53:45 ON 22 APR 2008

       FILE 'REGISTRY' ENTERED AT 19:54:01 ON 22 APR 2008
L1              STRUCTURE UPLOADED
L2              QUE L1
L3          0 S L2
L4         17 S L2 FUL

       FILE 'CAPLUS' ENTERED AT 19:54:44 ON 22 APR 2008
L5          2 S L4
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